

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	59	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) SAME ((fibre or fiber or waveguide) WITH (wrap\$3 or turn\$3 or spun or spin\$3)) SAME Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:09
L2	18	("20040202401" "5363342" "5475216" "5737278" "5748565" "6118733" "6233374" "6882595" "6888972"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:09
L3	2671	385/12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L4	947	385/13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L5	4383	385/37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L6	959	385/10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L7	76	359/337.21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L8	35	359/337.22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L9	532	356/477	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10

## EAST Search History

L10	96	356/482	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L11	56	356/481	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L12	293	356/498	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L13	166	356/485	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L14	293	356/498	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L15	174	356/486	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L16	7959	L3 or L4 or L5 or L6 or L7 or L8 or L9 or L10 or L11 or L12 or L13 or L14 or L15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L17	13	interferomet\$4 with Bragg with hydrophone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L18	10	L17 and (bore or hole or tube or passageway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10

# EAST Search History

L31	221	(US-20010051013-\$ or US-20020064330-\$ or US-20020064331-\$ or US-20020067885-\$ or US-20020097636-\$ or US-20020180978-\$ or US-20030020919-\$ or US-20030035344-\$ or US-20030043696-\$ or US-20030043697-\$ or US-20040067002-\$ or US-20040184352-\$ or US-20040202401-\$ or US-20040221639-\$ or US-20050076713-\$ or US-20050195687-\$ or US-20050201663-\$ or US-20050122838-\$).did. or (US-4162397-\$ or US-4313185-\$ or US-4351036-\$ or US-4363533-\$ or US-4376390-\$ or US-4403144-\$ or US-4405198-\$ or US-4419895-\$ or US-4429573-\$ or US-4525818-\$ or US-4527749-\$ or US-4534222-\$ or US-4567771-\$ or US-4568408-\$ or US-4570248-\$ or US-4589285-\$ or US-4595830-\$ or US-4632551-\$ or US-4635482-\$ or US-4671113-\$ or US-4724316-\$ or US-4725110-\$ or US-4739661-\$ or US-4743116-\$ or US-4755051-\$ or US-4761073-\$). did. or (US-4773758-\$ or US-4789241-\$ or US-4799202-\$ or US-4800267-\$ or US-4806012-\$ or US-4809243-\$ or US-4829821-\$ or US-4848906-\$ or US-4860586-\$ or US-4876447-\$ or US-4889986-\$ or US-4893930-\$ or US-4900918-\$ or US-4900919-\$ or US-4904863-\$ or US-4930862-\$ or US-4932263-\$ or US-4950883-\$ or US-4951271-\$ or US-4959539-\$ or US-4996419-\$ or US-5061069-\$ or US-5099690-\$ or US-5134882-\$ or US-5155548-\$ or US-5212670-\$ or US-5218197-\$). did. or (US-5231611-\$ or US-5253222-\$ or US-5276322-\$ or US-5308973-\$ or US-5317544-\$ or US-5317576-\$ or US-5317929-\$ or US-5339696-\$ or US-5361130-\$ or US-5363342-\$ or US-5365359-\$ or US-5367376-\$ or US-5369485-\$ or US-5394377-\$ or US-5394488-\$ or US-5399854-\$ or US-5401956-\$ or US-5402786-\$ or US-5410404-\$ or US-5420688-\$ or US-5426297-\$ or US-5444803-\$ or US-5451772-\$ or US-5452087-\$ or US-5475216-\$ or US-5488475-\$ or US-5491335-\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
4/17/06 2:23:52 AM	C:\Documents and Settings\Hughes1\My Documents\EAST\Workspaces\Workspaces\10 796 594.wsp					

## EAST Search History

L32	107	L31 and (bore or hole or tube or passageway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L33	13	interferomet\$4 with Bragg with hydrophone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 01:10
L34	1	(mandrel SAME interferometr\$5 SAME (fibre or fiber or waveguide) SAME ((second or another or different) NEAR3 (section or diameter or size or radius)) SAME (wrap\$5 or wound or spun or spin\$4 or turn\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 02:18
L35	18	("20040202401" "5363342" "5475216" "5737278" "5748565" "6118733" "6233374" "6882595" "6888972").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 02:18
S1	2	"20050201663".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:09
S2	2	("6233374").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:48
S3	0	woo-kwong-ming-daniel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:54
S4	0	woo-ming-daniel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:50
S5	0	woo-kwong-daniel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:50

## EAST Search History

S6	0	woo-kwong-ming.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:50
S7	0	woo-kwong-daniel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:51
S8	7	woo-daniel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:51
S9	0	kwong-ming-daniel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 21:54
S10	81	("4376390"   "4403144"   "4419895"   "4429573"   "4525818"   "4534222"   "4567771"   "4595830"   "4635482"   "4671113"   "4724316"   "4725110"   "4739661"   "4743116"   "4755051"   "4761073"   "4800267"   "4806012"   "4829821"   "4860586"   "4876447"   "4893930"   "4900918"   "4900919"   "4930862"   "4932263"   "4950883"   "4996419"   "5061069"   "5099690"   "5134882"   "5155548"   "5218197"   "5276322"   "5308973"   "5317576"   "5317929"   "5339696"   "5361130"   "5363342"   "5369485"   "5394488"   "5399854"   "5401956"   "5420688"   "5426297"   "5444803"   "5451772"   "5452087"   "5493113"   "5493390"   "5495892"   "5507341"   "5513913"   "5529346"   "5564504"   "5633748"   "5633960"   "5845033").PN. OR ("6233374"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 21:54
S11	1	((High adj pressure) WITH (high adj temperature adj acoustic adj sensor)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 19:38

## EAST Search History

S12	2568	385/12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 19:38
S13	913	385/13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 19:38
S14	4195	385/37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 19:38
S15	918	385/10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:36
S16	71	359/337.21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37
S17	31	359/337.22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37
S18	487	356/477	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37
S19	89	356/482	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37
S20	48	356/481	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37
S21	278	356/498	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37

## EAST Search History

S22	158	356/485	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:37
S23	278	356/498	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:38
S24	162	356/486	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:38
S25	7610	S12 or S13 or S14 or S15 or S16 or S17 or S18 or S19 or S20 or S21 or S22 or S23 or S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:55
S26	67	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) SAME (fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3) SAME Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 22:31
S27	16	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) WITH (fibre or fiber or waveguide) WITH (wrap\$3 or turn\$3 or spun or spin\$3) WITH Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/17 02:14
S28	71	((Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) WITH (fibre or fiber or waveguide) WITH (wrap\$3 or turn\$3 or spun or spin\$3)) AND Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:57
S29	116	((Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) SAME (fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3)) AND Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:58
S30	137687	Mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:58

## EAST Search History

S31	165	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) AND ((fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3) SAME Interferomet\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 22:43
S32	83	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) AND ((fibre or fiber or waveguide) WITH (wrap\$3 or turn\$3 or spun or spin\$3) WITH Interferomet\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:58
S33	391	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) AND ((fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3)) AND Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:59
S34	324	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) AND ((fibre or fiber or waveguide) WITH (wrap\$3 or turn\$3 or spun or spin\$3)) AND Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:59
S35	59	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) SAME ((fibre or fiber or waveguide) WITH (wrap\$3 or turn\$3 or spun or spin\$3)) SAME Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 20:59
S36	44	S30 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 22:07
S37	11	S30 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 21:25
S38	21	("4632551"   "4789241"   "4848906"   "5253222"   "5363342"   "5394377"   "5475216"   "5497233"   "5504720"   "5555086").PN. OR ("5737278").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 21:37
S39	47	("4160229"   "4162397"   "4313185"   "4363533"   "4405198"   "4525818"   "4568408"   "4570248").PN. OR ("5363342").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:44



## EAST Search History

S40	99	("4376390"   "4403144"   "4419895"   "4429573"   "4525818"   "4534222"   "4567771"   "4589285"   "4595830"   "4635482"   "4671113"   "4724316"   "4725110"   "4739661"   "4743116"   "4755051"   "4761073"   "4800267"   "4806012"   "4829821"   "4860586"   "4876447"   "4889986"   "4893930"   "4900918"   "4900919"   "4930862"   "4932263"   "4950883"   "4996419"   "5061069"   "5099690"   "5134882"   "5155548"   "5218197"   "5231611"   "5276322"   "5308973"   "5317576"   "5317929"   "5339696"   "5361130"   "5363342"   "5369485"   "5394488"   "5399854"   "5401956"   "5410404"   "5420688"   "5426297"   "5444803"   "5451772"   "5452087"   "5488475"   "5493113"   "5493390"   "5495892"   "5507341"   "5513913"   "5529346"   "5564504"   "5633748"   "5633960"   "5680489"   "5706079"   "5748312"   "5757487"   "5818585"   "5845033"   "5892860"   "5945666"   "5986749"   "5987197"   "6118914"   "6191414"   "H001813").PN. OR ("6233374"   "6274863").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 21:54
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## EAST Search History

S41	81	("4376390"   "4403144"   "4419895"   "4429573"   "4525818"   "4534222"   "4567771"   "4595830"   "4635482"   "4671113"   "4724316"   "4725110"   "4739661"   "4743116"   "4755051"   "4761073"   "4800267"   "4806012"   "4829821"   "4860586"   "4876447"   "4893930"   "4900918"   "4900919"   "4930862"   "4932263"   "4950883"   "4996419"   "5061069"   "5099690"   "5134882"   "5155548"   "5218197"   "5276322"   "5308973"   "5317576"   "5317929"   "5339696"   "5361130"   "5363342"   "5369485"   "5394488"   "5399854"   "5401956"   "5420688"   "5426297"   "5444803"   "5451772"   "5452087"   "5493113"   "5493390"   "5495892"   "5507341"   "5513913"   "5529346"   "5564504"   "5633748"   "5633960"   "5845033").PN. OR ("6233374"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:06
S42	21	("4632551"   "4789241"   "4848906"   "5253222"   "5363342"   "5394377"   "5475216"   "5497233"   "5504720"   "5555086").PN. OR ("5737278").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:11
S43	3	("5737278"   "5748565").PN. OR ("6118733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:42
S44	11	("4351036"   "5317544").PN. OR ("5748565").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:27
S45	3	("5737278"   "5748565").PN. OR ("6118733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:28
S46	5	("4809243"   "5737278"   "5748565"   "5883857").PN. OR ("6111820"   "6118733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:29
S47	11	("4351036"   "5317544").PN. OR ("5748565").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:30
S48	44	S29 and S25	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:45

## EAST Search History

S49	118	((fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3) SAME Interferomet\$5)) and mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 22:43
S50	896	((fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3) SAME Interferomet\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/11 22:43
S51	45	S25 and S49	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:48
S52	188	S25 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:50
S53	44	S29 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 22:46
S54	19	S51 not S53	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:48
S55	45	S52 and S30	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/11 22:51
S56	462	367/149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:32
S57	478	367/173	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:32
S58	168	367/167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:35
S59	463	367/154	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:35

## EAST Search History

S60	1329	S56 or S57 or S58 or S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:35
S61	391	(Hydrophone or ((Acoustic or sound) NEAR2 (sens\$3 or detect\$3))) AND ((fibre or fiber or waveguide) SAME (wrap\$3 or turn\$3 or spun or spin\$3)) AND Interferomet\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:35
S62	2	"4848906".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:14
S63	0	S62 and bragg	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:14
S64	3	"4848906" and bragg	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:25
S65	0	"5748565.pn"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:26
S66	0	"5748565.pn"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:26
S67	0	("5748565.pn").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/12 10:26
S68	2	"5748565".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:26

## EAST Search History

S69	0	S68 and interferomet\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:27
S70	0	S68 and interfer\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:29
S71	12	interferomet\$4 with Bragg with hydrophone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:38
S72	9	S71 and (bore or hole or tube or passageway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:49

# EAST Search History

S73	235	(US-20010051013-\$ or US-20020064330-\$ or US-20020064331-\$ or US-20020067885-\$ or US-20020097636-\$ or US-20020180978-\$ or US-20030020919-\$ or US-20030035344-\$ or US-20030043696-\$ or US-20030043697-\$ or US-20040067002-\$ or US-20040184352-\$ or US-20040202401-\$ or US-20040221639-\$ or US-20050076713-\$ or US-20050195687-\$ or US-20050201663-\$ or US-20050122838-\$).did. or (US-4162397-\$ or US-4313185-\$ or US-4351036-\$ or US-4363533-\$ or US-4376390-\$ or US-4403144-\$ or US-4405198-\$ or US-4419895-\$ or US-4429573-\$ or US-4525818-\$ or US-4527749-\$ or US-4534222-\$ or US-4567771-\$ or US-4568408-\$ or US-4570248-\$ or US-4589285-\$ or US-4595830-\$ or US-4632551-\$ or US-4635482-\$ or US-4671113-\$ or US-4724316-\$ or US-4725110-\$ or US-4739661-\$ or US-4743116-\$ or US-4755051-\$ or US-4761073-\$). did. or (US-4773758-\$ or US-4789241-\$ or US-4799202-\$ or US-4800267-\$ or US-4806012-\$ or US-4809243-\$ or US-4829821-\$ or US-4848906-\$ or US-4860586-\$ or US-4876447-\$ or US-4889986-\$ or US-4893930-\$ or US-4900918-\$ or US-4900919-\$ or US-4904863-\$ or US-4930862-\$ or US-4932263-\$ or US-4950883-\$ or US-4951271-\$ or US-4959539-\$ or US-4996419-\$ or US-5061069-\$ or US-5099690-\$ or US-5134882-\$ or US-5155548-\$ or US-5212670-\$ or US-5218197-\$). did. or (US-5231611-\$ or US-5253222-\$ or US-5276322-\$ or US-5308973-\$ or US-5317544-\$ or US-5317576-\$ or US-5317929-\$ or US-5339696-\$ or US-5361130-\$ or US-5363342-\$ or US-5365359-\$ or US-5367376-\$ or US-5369485-\$ or US-5394377-\$ or US-5394488-\$ or US-5399854-\$ or US-5401956-\$ or US-5402786-\$ or US-5410404-\$ or US-5420688-\$ or US-5426297-\$ or US-5444803-\$ or US-5451772-\$ or US-5452087-\$ or US-5475216-\$ or US-5488475-\$ or US-5491335-\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:49
4/17/06 2:23:52 AM	C:\Documents and Settings\Hughes1\My Documents\EAST\Workspaces\Workspaces\10 796 594.wsp					

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## EAST Search History

S74	119	S73 and (bore or hole or tube or passageway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:50
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